

Title (en)

TOTAL TEMPERATURE PROBE AND TOTAL TEMPERATURE DETERMINATION METHOD

Title (de)

GESAMTTemperatursonde und Gesamttemperaturbestimmungsverfahren

Title (fr)

SONDE DE TEMPERATURE TOTALE ET PROCEDE DE DETERMINATION DE TEMPERATURE TOTALE

Publication

**EP 1514085 A1 20050316 (FR)**

Application

**EP 03755576 A 20030613**

Priority

- FR 0301800 W 20030613
- FR 0207376 A 20020614

Abstract (en)

[origin: FR2840985A1] Total temperature measurement probe comprises a base (1), the outer surface of which is essentially coplanar with the aircraft skin and a shaft (3) projecting from the base and bearing an active part (4) of the probe. Temperature sensors (6 - 9) are arranged on the outer surface of the base and around the shaft. The invention also relates to a corresponding method for determining the total temperature of an airflow around the probe based on measurements carried out in the probe active part and the maximum difference between the measurements carried out by the temperature sensors mounted on the base and mast.

IPC 1-7

**G01K 13/02**

IPC 8 full level

**G01K 1/20** (2006.01); **G01K 13/02** (2006.01)

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DE FR GB

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**FR 2840985 A1 20031219; FR 2840985 B1 20040910**; AU 2003273420 A1 20031231; DE 60307272 D1 20060914; DE 60307272 T2 20071018; EP 1514085 A1 20050316; EP 1514085 B1 20060802; US 2005190816 A1 20050901; US 7114847 B2 20061003; WO 03106948 A1 20031224

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